

JP01299236

REGENERATION OF PALLADIUM CARRYING CATALYST

MITSUBISHI KASEI CORP

Inventor(s): ;KITAI MITSUMASA ;SUGURO YOSHIO ;KAWAMURA SHIGENORI

Application No. 63129235 , Filed 19880526 , Published 19891204

Abstract:

PURPOSE: To regenerate a palladium carrying catalyst used in reaction of dimerization of an aromatic halogen compound through dehalogenation in the presence of water, reducing agent and halogen acceptor, by immersing the catalyst in an organic solvent having compatibility with water and then in a halogenated hydroacid.

CONSTITUTION: An aromatic halogen compound is dimerized through dehalogenation to give a biaryl compound and a Pd carrying catalyst (preferably Pd-active carbon catalyst) used in the reaction is regenerated. In the regeneration, first, the catalyst is blended with an organic solvent (e.g., methanol, DMF or THF) having compatibility with water in a stirring container, treated at 10-40°C for 5 minutes 3 hours, then immersed in a halogenated hydroacid (preferably 0.01-1wt.% hydrochloric acid) and treated under the same condition as the organic solvent. The catalyst after the treatment is neutralized in an alkali system, filtered and recovered.

COPYRIGHT: (C)1989,JPO&Japio

Int'l Class: C07B03704 B01J02396 C07C051353 C07C063331 C07B06100